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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated the 26th July, 1986 under the heading "Complete Specification Accepted".

In page 472, against No. 157938.

for Applicant :—Maatschappij tot Exploitatie van Stork Ketels B. V. of No. 1, Industrieplein, 7553 LI. Hengelo, the Netherlands.

read Applicant :—Maatschappij tot Exploitatie van Stock Ketels B. V. of No. 1, Industrieplein, 7553 LL Hengelo, the Netherlands. and Ruhrchemie Aktiengesellschaft of D-4200 Oberhausen 13, Federal Republic of Germany.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

12th November, 1986

819/Cal/86. Phillips Petroleum Company. Yeast production of hepatitis B surface antigen.

820/Cal/86. Tara Chand Banka. Improvements in or relating to means for permanently fixing & sealing Hoses on to pipes or similar structures to replace conventional worm-drive, screw type or spring metal hose clips, the device being called "Skintite Snapper Hose clip".

13th November, 1986

821/Cal/86. United Technologies Corporation. A variable speed wind turbine.

822/Cal/86. Nauchno-Proizvodstvennoe Obiedinenie "Tekhenergokhimprom". Process for producing sulphur from calcium sulphate.

14th November, 1986

823/Cal/86. The Babcock & Wilcox Company. Apparatus and method for monitoring low level combustibles.

824/Cal/86. The Babcock & Wilcox Company A filter assembly for a coal mill monitoring system.

825/Cal/86. The Babcock & Wilcox Company. Automatic calibration and control system for combined oxygen and combustibles analyzer.

826/Cal/86. The Babcock & Wilcox Company. Mounting bracket assembly for electronic instrument mounting, heat dissipation and environmental protection.

827/Cal/86. The Babcock & Wilcox Company. Electro mechanical integrator.

828/Cal/86. The Babcock & Wilcox Company. Holographic operator displays for control systems.

829/Cal/86. Societe DE Paris ET DU Rhone. Electric starter for thermal engine with flux variator.

830/Cal/86. Alvin H. Benesh. Wind turbine system using a savonius type rotor.

831/Cal/86. L. & C. Steinmuller GMBH. Tube bundles and heat exchange apparatus containing same.

832/Cal/86. Siemens Aktiengesellschaft. A contact arrangement for a low-voltage circuit-breaker.

833/Cal/86. Ing. Ewald Gossler. Method and device for compression of gases.

17th November, 1986

834/Cal/86. Mr. Dilip Kumar Chatterjee and Mr. Bhaswar Chatterjee. Moving advertising device.

835/Cal/86. United Technologies Corporation. Torque control for a variable speed wind turbine.

836/Cal/86. W. & A. Bates Limited. Tread assembly formers. (29 June 1983) United Kingdom. [Division of Application dated 13th June, 1984].

837/Cal/86. Hoerbiger Ventilwerke Aktiengesellschaft. A nonreturn valve.

18th November, 1986

838/Cal/86. Daryn Pave Jetty Co., LTD. Method of constructing a rigid structure upon the bottom of a water as well as lost casing for performing said method.

839/Cal/86. Zhdanovsky Metallurgichesky Institut. Charging arrangement for a blast furnace.

840/Cal/86. PHB Weserhutte Aktiengesellschaft. Mobile belt conveyor.

841/Cal/86. Bar-Ilan University. A method of separating at least a particular group of biological cells and arrangement for selecting the same. [Divisional dated 5th May, 1983].

19th November, 1986

842/Cal/86. Vsesoiuzny Nauchno-Issledovatesky, Proektno-Konstruktorsky I Tekhnologichesky Institut Elektrotermicheskogo Oborudovania (Vniieto). Induction-plasmn unit.

843/Cal/86. Belorussky Politekhnichesky Institut. Process for producing artificial stone.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

27th October, 1986

944/Del/86. Council of Scientific and Industrial Research. Improvements in or relating to the process of descaling of diesel engine components.

945/Del/86. Vapor Corporation, Vehicular speedometer having acceleration and deceleration indicating means.

946/Del/86. Wilfried Dreyfuss, A method and apparatus for injection molding threaded plastic caps and stoppers provided or not with reinforcing cages imbedded in the plastic.

28th October, 1986

947/Del/86. R. D. Jayal, Handle bar with double head lamp type B.

948/Del/86. R. D. Jayal, Tai light.

949/Del/86. The Secretary of State for Defence in her Britannic Majesty's Govt. of the United Kingdom, Unmanned articulated vehicle. (Convention date 29th October, 1985) (U.K.)

950/Del/86. The Secretary of State for Defence in her Britannic Majesty's Govt. of the United Kingdom, Obstacle surmounting aid for tracked vehicle. (Convention date 29th October, 1985) (U.K.).

951/Del/86. Shell Internationale Research Maatschappij B.V., Gas treatment process. (Convention date 30th October 1985) (U.K.)

952/Del/86. Ulf Goran Holmdhl, Device for a load carrying unit.

953/Del/86. F.I.R. Di Forti Duilio S.R.L., Equipment adapted to collect and convey the mineral fiber coming from a production furnace.

954/Del/86. The Secretary of State for Defence in her Britannic Majesty's Govt. of the United Kingdom, wide track vehicle. (Convention date 29th October, 1985) (U.K.).

29th October, 1986

955/Del/86. Imperial Chemical Industries PLC., Catalyst precursors. (Convention date 8th November, 1985) (U.K.).

956/Del/86. Imperial Chemical Industries PLC. Catalyst precursors. (Convention date 8th November, 1985) (U.K.).

957/Del/86. Imperial Chemical Industries PLC., Bed packing material. (Convention date 8th November, 1985 & 12th June, 1986) (U.K.).

958/Del/86. Council of Scientific and Industrial Research. "A process for direct electrowinning of lead metal from a suspension galena of concentrate anodes".

959/Del/86. Council of Scientific and Industrial Research, A process for the preparation of carbamic acid (5-Benzoyl-1H benzimidazol 2-yl) methyl ester".

30th October, 1986

960/Del/86. Pentanyl Technologies, Inc., A method of separating oil product from a single stage carbonaceous liquefaction. [Divisional date 29th February, 1984].

961/Del/86. Klockner Humboldt-Deutz Aktiengesellschaft, Apparatus for the comminution and grinding of brittle grinding stock, particularly of damp initial material.

31th October, 1986

962/Del/86. Bayer Antwerpen N. V., Process for the work-up of the mother liquors from the preparation of benzothiazole compounds.

963/Del/86. Dale Gordon Jones, Process and apparatus for removing oxides of nitrogen and sulfur from combustion gases.

964/Del/86. Soil Technologies, Corp, Microbial compositions and methods for treating soil convention.

965/Del/86. Imperial Chemical Industries, PLC., Ceramic structures. (Convention date 13th November, 1985) (U.K.).

966/Del/86. Pentanyl Technologies, Inc. A method of converting carbonaceous materials. [Divisional date 29th February, 1984].

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 108-C. 158591

Int. Cl. : C 21 c 7/00.

A COVER MEMBER FOR ALADLE.

Applicant : INDUSTRIAL MACHINE WORKS, P.O. BOX 185, MONROEVILLE, PA 15146, UNITED STATES OF AMERICA.

Inventor : 1. JACK RYAN.

Application No. 187/Cal/82 filed February 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A cover member for a ladle for reducing the temperature loss from said ladle having an opening to permit the pouring of hot metal into said ladle and the subsequent removal of the hot metal from said ladle, said cover member having mechanical means for conforming the said cover member to the contour of the opening of said ladle, characterized in that said cover member is a multi-layer, thermal insulating cover member comprises of at least one thermal insulating element supported by one flexible screen element.

Compl. Specn. 10 pages. Drg. 3 sheets.

CLASS : 201-C & D. 158592

Int. Cl. : C 02 c 5/00.

AN IMPROVED WASTE WATER DENITRIFICATION PROCESS.

Applicant : KUBOTA LTD., OF 2-47, SHIKITSUHIGASHI 1-CHOME, MANIWA-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventors : 1. KIYOMI MURATA, 2. HIROSHI ISHIDA, 3. YOTAKA YAMADA, 4. KIYOSHI IZUMI.

Application No. 368/Cal/82 filed April 1, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An improved waste water denitrification process, comprising the steps of :

biochemically denitrifying in a reaction tank waste water containing ammonium nitrogen (NH_4-N),

transferring the treated water from said reaction tank to a separation tank and separating activated sludge therefrom, and

returning all or a portion of the separated activated sludge to said reaction tank, characterised in that

NH_4-N is converted into nitrogen oxides (NO_x-N) in said reaction tank, said NO_xN containing nitrite nitrogen (NO_2-N) and nitrate nitrogen (NO_3-N), and in that

the concentration of NH_4-N is maintained above 15 ppm and that of the BOD is maintained above 30 ppm in said reaction tank in order to maintain a ratio of NO_3-N to NO_x-N (NO_3N/NO_x-N) of less than 0.5.

Compl. Specn. 41 pages. Drg. 8 sheets.

CLASS : 69-H. 158593

Int. Cl. : H 01 h 3/00.

LOW DC VOLTAGE, HIGH CURRENT SWITCH ASSEMBLY.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT MACQUIRE HRUDA.

Application No. 450/Cal/82 filed April 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

14 Claims

A low voltage, high current DC switch assembly and integral operating means and resistive element for use as a shunt switch assembly coanectable between generally parallel spaced apart electrical terminals or conductors, comprising :

(a) a low voltage Dc switch including a pair of relative reciprocally movable contacts disposed within a hermetically sealed envelope portion, with a first switch contact flexibly connectable to a first electrical terminal, and a second switch contact rigidly connectable to a resistive element;

(b) switch operating means having a body portion rigidly connected to the second switch contact, and reciprocally movable drive member connected to the first switch contact to effectuate switch contact opening and closing;

(c) a generally tubular resistive element having first connection means at one end for connection to the second switch contact, and second connection means at the other end for connection to the second electrical terminal, and means for passing cooling fluid through the tubular resistive element.

Compl. Specn. 10 pages. Drg. 2 sheets.

CLASS : 108-$C_{8.1(1}$ 158594

Int. Cl. : C 21 b 13/08.

PROCESS OF PRODUCING SPONGE IRON BY A DIRECT REDUCTION OF IRON OXIDE-CONTAINING MATERIAL IN A ROTARY KILN.

Applicant : METALLGESELLSCHAFT AG., OF 16 FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors : 1. TARL-HEINZ FISCHER, 2. WOLFRAM SCHNABEL, 3. HARRY SERBENT.

Application No. 706/Cal/82 filed June 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process of producing sponge iron which comprises subjecting to direct reduction iron oxide-containing materials in presence of solid carbonaceous reducing agent having high volatile constituents in a rotary kiln below the softening and melting points of the charge, said rotary kiln having a heating-up zone, a reducing zone and a free gas space wherein the charge is heated up in a zone disposed adjacent the charging end of the kiln and reduced in a reducing zone disposed adjacent the discharging end of the kiln and wherein oxygen-containing gases are blown into the rotary kiln and the charge and the hot gases fed from the charging end as well as gas atmosphere formed in the rotary kiln travelling in concurrent manner characterized by the improvement wherein (a) said solid carbonaceous reducing agent is charged into the charging end of the rotary kiln together with the iron oxide-containing material, (b) oxygen containing gas being fed into the free gas space in the rotary kiln and into the charge in the heating-up zone in the rotary kiln, and (c) also feeding oxygen containing gas into the free gas space in the reducing zone in the rotary kiln.

Compl. Specn. 16 pages. Drg. 1 sheet.

CLASS : 76-E. 158595

Int. Cl. : E 05 b 61/00.

LATCHING MECHANISM FOR CIRCUIT BOARD MODULE.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISRANA-70160, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS ROBERT BEAN, 2. EDWARD FRANK STOCKMASTER, 3. GEORGE STANLEY WHALEY.

Application No. 820/Cal/82 filed July 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A latching mechanism for latching a circuit board module to a mounting rack positioned below the circuit board, comprising :

a front wall;

a side wall which extends in a first direction defining a rearwardly direction from said front wall and which includes means for attaching a circuit board to said side wall for orientation of the circuit board rearwardly of and perpendicular to said front wall;

a portion o safid front wall which portion extends in a direction defining a downwardly direction beyond said side wall for disposition thereof lower than said side wall and the circuit board;

a latch block which extends in a second direction defining a forwardly direction from said front wall portion;

a resilient tab extending rearwardly from a forward edge portion of said latch block for deflection of said tab;

a prong including a shaft which extends rearwardly of said tab and which terminates in a portion defining an head having a shoulder forwardly thereof for engaging a latch aperture in the mounting rack.

Compl. Specn. 15 pages. Drg. 5 sheets.

CLASS : 39-L. 158596

Int. Cl. C 01 f 7/02.

METHOD OF PREPARING A CLEAR, PARTIALLY HYDROLIZED ALUMINA ALKOXIDE SOLUTION.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. BULENT ERTURK YOLDAS.

Application No. 842/Cal/82 filed July 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method of preparing a clear, partially hydrolyzed aluminum alioxide solution comprising : mixing $Al(OR)_3$ with 0.4 to 1 mole of water per mole of $Al(OR)_3$ in the presence of sufficient alcohol to give a maximum weight % of equivalent Al_2O_3 of 10% where R is alkyl to C_8; heating said mixture at 20 to 80°C until clear; and optionally adding sufficient additional water to bring the number of moles of water per mole of alkoxide up to between 2 and 3 (both inclusive) in the presence of sufficient alcohol to give a maximum weight % of equivalent Al_2O_3 of upto 3%.

Compl. Specn. 12 pages. Drg. Nil.

CLASS : 37-B; 167-D. 158597

Int. Cl. : B 07 b 7/083.

A SEPARATOR FOR SORTING A PARTICLE MIXTURE INTO A COARSE AND FINE PARTICLE FRACTION.

Applicant : F. L. SMIDTH & CO. A/S., OF 77, VIGERSLEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor : 1. JAN FOLSBERG.

Application No. 1014/Cal/82 filed September 1, 1982.

Convention dated 1st September, 1981 (81 26461) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A separator for sorting a particle mixture into a coarse and fine particle fraction, comprising a rotationally symmetrical wall and a vaned rotor rotatable inside the wall about the axis of symmetry, in which separator the particle mixture is suspended in an air flow and is conveyed past the rotor, by means of which the coarser particles are flung outwards the wall, from which they are discharged through a coarse fraction outlet, the finer particles remaining entrained in the conveying air to be subsequently separated from the air and discharged through a fine fraction outlet, characterized by a wall forming an annular passage co-axial with the separator wall through which clean air can be passed to provide an annular band of clean conveying air at the outermost zone of the rotor.

Compl. Specn. 11 pages. Drg. 5 sheets.

CLASS : 129-G; 140-A_2. 158598

Int. Cl. : B 22 c 3/00, B 21 c 11/00, B 22 c 23/32.

A PROCESS FOR PREPARING A COMPOSITION FOR LUBRICATING METAL DURING WORKING THEREOF.

Applicant : THE LUBRIZOL CORPORATION, 29400 LAKELAND BLVD., WICKLIFFE, OHIO, 44092, U.S.A.

Inventor : 1. JAMES NOEL VINCI.

Application No. 1044/Cal/82 filed September 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for preparing a composition for lubricating metal during working thereof comprising (A) a 50 to 99.5% of a lubricating oil such as herein described, (B) 0.025 to 50% of a basic alkali metal salt of at least one acidic organic compound or a borated complex of said basic alkali metal salt prepared by contacting, at a temperature between the solidification temperature of the reaction mixture and its decomposition temperature :

(B-1) at least one acidic gaseous material selected from the group consisting of carbon dioxide, hydrogen sulfide and sulfur dioxide, with

(B-2) a reaction mixture comprising

(B-2-a) at least one oil-soluble sulfonic acid, or derivative thereof susceptible to over basing;

(B-2-b) at least one alkali metal selected from the group consisting of lithium, sodium and potassium, or a hydroxide, alkoxide, hydrode or amide thereof;

(B-2-c) at least one lower aliphatic alcohol; and

(B-2-d) at least one oil-soluble carboxylic acid or functional derivative thereof;

(C) a sulphurization product such as herein described prepared by reacting at about 50-300°C., under superatmospheric pressure, sulfur and hydrogen sulfide with at least one olefinic compound containing 3 to about 30 carbon atoms to form a sulfurized mixture; about 0.3-3.0 gram-atoms of sulfur and about 0.1-1.5 moles of hydrogen sulfide being used per mole of olefinic compound; and removing from said sulfurized mixture substantially all low boiling materials including unreacted olefin, mercaptan and monosulfide, and when desired additionally (d) at least one chlorinated wax.

Compl. Specn. 29 pages. Drg. 1 sheet.

158599

CLASS : 33-D + 35-E + 80-A + 80-K + 108-C_3 & 130-G.

Int. Cl. B 01 d 39/20 + C 04 b 21/00.

METHOD FOR PRODUCING A CERAMIC FILTER WITH OPEN-CELL FOAM STRUCTURE.

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT, CH-8201 SCHAFFHAUSEN SWITZERLAND.

Inventors : 1. DR. FRANZ HOFMANN, 2. HANS GUNTER TRAPP, 3. ROLF RIETZSCHER, 4. JURGEN OTTO, 5. DR. WOLFGANG KAETTLITZ, 6. GERD TRINKL.

Application No. 1086/Cal/82 filed September 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

Method for producing a ceramic filter with open cell foam structure on the basis of aluminium oxide (Al_2O_3) or other known highly refractory materials, for the filtering of metal melts, having a flow speed in the range of 200 to 5000 cm^3 melt per cm^2 filter area per minute which comprises impregnating an open cell foam structure of an organic material such as herein described with a suspended ceramic mixture containing aluminium oxide and a known binder, and that, thereafter, the solvent of the suspension and the organic material are removed by a method as herein described and when desired the surface of the dried and impregnated foam is subjected to a further impregnation with a ceramic suspension, dried and, for removal of the organic substance, heated and calcined at a temperature between 800°C and 1500°C, preferably between 1200°C and 1450°C.

Compl. Specn. 16 pages. Drg. 2 sheets.

CLASS : 127-I. 158600

Int. Cl. : H 04 23/02.

FORCE TRANSDUCER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. JACK MORTIMER WHITE.

Application No. 1157/Cal/82 filed October 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

In a transducer generating an output signal varying in linear proportion to changes in the magnitude of a force, a flexure assembly comprising a compound flexure having opposed sections of maximum cross-sectional area at either end decreasing lengthwise at a predetermined gradient to a thin middle section, a fixed base in which one end of said compound flexure is anchored in and cantilevered from, a movable base in which the other end of said compound flexure is anchored in and cantilevered from, means for applying a force to said movable base to produce a strain in each of said opposed sections proportional to the magnitude of the force and a strain gauge mounted on a face of at least one of said opposed sections generating an output signal proportional to the strain produced by the force.

Compl. Specn. 10 pages. Drg. 2 sheets.

CLASS : 194-C. 158601

Int. Cl. : H 01 1 15/06.

CIRCUIT FOR REGULATING THE OUTPUT VOLTAGE OF A DEVICE E.G. PHOTOCELL.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. BARRY JEFFREY YOUMANS.

Application No. 1173/Cal/82 filed October 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A circuit for regulating the output voltage of a device comprising loading means connected across the output of the device, amplifying means connected across said loading means to amplify the output voltage produced by the device, and switching means connected to the output of said amplifying means, said switching means being actuated at a predetermined voltage applied thereto by said amplyfying means resulting in the shunt loading of the device preventing the output voltage of the device from approaching a predetermined level.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 131-A3. 158602

Int. Cl. : E 21 b 23/00.

A STINGER ADAPTER, FOR USE WITH A LENGTH OF STINGER AND A WELL TOOL SUSPENDED FROM A WELL-LOGGING CABLE IN A BOREHOLE.

Applicant : SCHLUMBERGER LIMITED, AT 277 PARK AVENUE, NEW YORK, NEW YORK, 10017, U.S.A.

Inventors : 1. JOACHIM A. HOPPE, 2. RALPY LINDEN SIMMONS.

Application No. 1190/Cal/82 filed October 13, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A stinger adapter, for use with a length of stinger and a well tool suspended from a well-logging cable in a borehole, characterized by :

a length of tubing having first and second ends;

means for sttaching the length of stinger to said first end of the tubing;

means for securing at least a portion of the well tool within the second end of said tubing;

means for releasably securing said well-logging cable within said tubing; and

means for positioning the tubing above the borehole, said positioning means being disposed on the outer surface of said tubing.

Compl. Specn. 20 pages. Drg. 3 sheets.

CLASS : 40-F. 158603

Int. Cl. : B 01 j 1/00.

An APPARATUS FOR TREATMENT OF PLASTIC MATERIALS, ESPECIALLY THROUGH PRESSING, BACK FLOW EXTRUSION AND STAMPING.

Applicant : INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA MEALITE, 53, CHAPAEV STREET, SOFIA, BULGARIA.

Inventors : 1. BOYAN IVANOV PAUNOV, 2. BOJIDAR STREFANOV IVANOV, 3. TEODOR ANGELOV BALEVSKI.

Application No. 1302/Cal/82 filed November 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for treatment of plastic materials, particularly for treatment of plastic materials through pressing, back flow extrusion and stamping, comprising a container with the worked material, which is in contact with one of its sides with a male die and with its other side with a female die which is built-up of several elements arranged movably one with respect to the other, which are in contact with one of their ends with the worked material, characterized in that these elements (3, 4, 5, 6) are in contact with their other ends with respective intermediate elements (8, 9, 10) and 11), and one of the said intermediate elements (8) is supported on a disc (20), which is rigidly attached to one side of the housing body (15), while the remaining intermediate elelements (9, 10, and 11) are supported on respective cylindrical supports (12, 13 and 14), which pass movably through holes in the disc (20) and are in contact with respective concentrically inserted one into another supporting elements (16, 17 and 18), the most outside of which (18) is arranged movably and with a seal in the hole of the housing body (15), which is provided with a cover (19), which covers hermetically the hole in the housing body (15), while the space between the cover (19) and the supporting elements (16, 17 and 18) is filled with a fluid and is connected via a pressure reducer (22) to a reservoir (23), filled with an elastic medium, which is provided with a non-return (check) valve (24) and measuring instruments (25) and limiting devices (26) for the pressure of the elastic medium inside the reservoir (23).

Compl. Specn. 10 pages. Drg. 4 sheets.

CLASS : 69-I. 158604

Int. Cl. : H 01 h 33/56.

IMPROVEMENTS IN OR RELATING TO GAS-FILLED PORCELAIN-INSULATED ELECTRICAL SWITCHES.

Applicant : LICENTIA PATENT-VERWALTUNGS G.m.b.H., 6000 FRANKFURT AM MAIN, THEODOR-STERN-KAI 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. FRIEDRICH WEGMANN.

Application No. 46/Cal/83 filed January 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A porcelain-insulated electrical switch under internal insulated-and arc-extingushing gas pressure, characterized in that annular small-volume chambers (11), which are adequately sealed from the outside through the connections between the components such as porcelain insulators, flanges and base plates without further seals being provided and which are arranged in direct vicinity of seals between the said components and in that expansion ducts or ports (14, 15, 16, 17) open into the said small volume chambers (11) and in the outer ends of which devices for detecting or retrieving the gases in the chambers can be inserted.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 190-D. 158605

Int. Cl. : F03 d 1/00.

A HORIZONTAL AXIS WIND ENERGY CONVERSION SYSTEM WITH AERODYNAMIC BLADE PITCH CONTROL.

Applicant & Inventor : WENDELL ERNEST ROSSMAN, OF 3137 NORTH 53RD STREET PHOENIX, ARIZONA 84018, UNITED STATES OF AMERICA.

Application No. 118/Cal/83 filed February 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A wind energy conversion system having a rotor assembly disposed on a horizontal axis and including at least one pivotally mounted turbine blade disposed in a radiating manner for rotation about an aerodynamic axis perpendicular to said horizontal axis, and characterized in having a pitch control vane mounted on said turbine blade for moving said turbine into a deliberate angle of attach in relation to a relative wind passing over said blade.

Compl. Specn. 20 pages. Drg. 5 sheets.

CLASS : 64-A. 158606

Int. Cl. : H 01 h 85/22

ELECTRICAL FUSE LINK.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. ERWIN GEIGER, 2. ALBERT SEGER.

Application No. 123/Cal/83 filed February 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An electrical fuse link comprising a tubular housing (1) of insulating material, a fuse element (2) having contact members (31, 32) at each end which are enclosed axially in said housing (1) and supports each on one edge of the housing (1) with projections provided with the contact members and have terminating plates (9, 10) fixing the contact members (31, 32) characterized in that a first fixing plate (16, 22) at the base of a first contact member (31) is provided with formations (71, 72) engaged in intelocking manner with corresponding counter-formation (81, 82) of the housing (1) and rests radially on bearing surfaces in a radially displaced position on the edge of the housing and. that a second fixing plate (14, 17) at the base of a second contact member (32) situated opposite the first contact member (31) is provided with formations (73, 74) in such a manner, that it rests in a centred position on ledges and pins (5, 18) on the housing (1).

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 195-B & D. 158607

Int. Cl. : F 16 k 1/226.

POLYGONAL SHUT-OFF VALVE PARTICULARLY FOR USE IN A PIPE LINE FOR CONVEYING GASES.

Applicant : HERMANN RAPPOLD & CO. GMBH., ZOLLHAUSSTR. 121, 5160 DUEREN, WEST GERMANY.

Inventors : 1. RUDOLF MUELLER, 2. HERMANN-JOSEF STOLBERG.

Application No. 182/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A polygonal shut-off valve, particularly for use in a pipeline for conveying gases, and comprising :

a valve casing;

a valve member mounted for movement between a valve open position and a valve closed position;

seal means, mounted on at least one of said valve casing and said valve member, for forming a seal with a sealing surface at least when said valve member is in said valve closed position;

said seal means including a polygonal frame member formed by plural straight sections each having two legs extending in a direction toward the position of said sealing surface when said seal is formed, said two legs being spaced and defining there-between an open channel;

Said seal means further including a polygonal seal member formed by plural straight sections each formed from a respective substantially flat elastic strip which is deformed to include two leg portions which are positioned between and freely and elastically urged toward respective inner surfaces of said legs of said frame member and a bent portion which connects said two leg portions and which projects outwardly of said channel for sealing contact with said sealing surface, said seal member having therein elongated openings; and guide pins fixed to said frame member and extending through said elongated openings, such that said seal member is retained in said frame member by said guide pins and is movable in said direction with respect to said frame member by the extent of said elongated openings.

Compl. Specn. 27 pages. Drg. 4 sheets.

CLASS : 129-Q. 158608

Int. Cl. : B 23 k 35/22.

A PROCESS FOR PRODUCING A WELD DEPOSIT USING A FLUX-CORED ARC WELDING TUBULAR ELECTRODE.

Applicant : EUTECTIC CORPORATION, OF 40-40 172 ND STREET, FLUSHING, NEW YORK 11358, UNITED STATES OF AMERICA.

Inventor : 1. ULDIS PAUGA.

Application No. 184/Cal/83 filed February 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for producing a high hardness, high wear resistant weld deposit which comprises :

providing a flux-cored arc welding tubular electrode made of low carbon steel strip and having confined therein as alloying ingredients B, Mn, Ni Si and C proportioned to produce together with the iron electrode a high hardness, high wear resistant weld deposit in the form of an iron-base alloy,

and forming a weld deposit therefrom containing 0.4 to 0.8% C, 4.8 to 6.2% B, 1.6 to 3.0% Mn, 1.6 to 2.8% Ni, 1.4 to 2.4% Si and the balance essentially iron.

Compl. Specn. 11 pages. Drg. Nil.

CLASS : 32-F_2 a. 158609

Int. Cl. : C 07 f 7/10.

IMPROVED PROCESS FOR THE PRODUCTION OF ALKOXYHYDRIDISILANES.

Applicant : UNION CARBIDE CORPORATION, AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT (06817) UNITED STATES OF AMERICA.

Inventors : 1. BERNARD KANNER, 2. STEVEN PHILLIP HOPPER.

Application No. 209/Cal/83 filed February 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for the preparation of alkoxyhyrido-silanes which comprises reacting a silane of the general formula

$$HSi\ (NRR')_x\ (R'')_{s-x}$$

wherein R, R' and R" are independently an aliphatic or aromatic, substituted or unsubstituted, saturated or unsaturated hydrocarbon radicals having from one to eight carbon atoms inclusive and where R and R' may also be hydrogen and where R" may also be alkoxy and where x has a value of from one to three, with alcohols of the general formula

R' "OH

where R' ' is an aliphatic or aralaliphatic saturated or unsaturated, substituted or unsubstitutued hydrocarbon radical having from one to twenty carbon atoms inclusive in the presence of a catalyst wherein the catalyst is selected from the group consisting of protic acids, Lewis acids, carboxylic acids and their salts, substituted carboxylic acids and their salts, carbon dioxide, carbonyl sulfide, carbon disulfide and amine complexes thereof at a temperature between -50°C to 150°C where one equivalent of alcohol is employed per mole of the silicon-nitrogen bond and where the catalyst concentration is equal to 0.01 to 10 mole percent of the silicon-nitrogen bonds.

Compl. Specn. 29 pages. Drg. Nil.

CLASS : 33-A. 158610

Int. Cl. : B 21 d 37/02.

TUBULAR DIE FOR THE CONTINUOUS CASTING OF A THIN-WALLED TUBE FROM CAST-IRON.

Applicant : PONT-A-MOUSSON S.A., OF 91 AVENUE DE LA LIBERATION, F 54000 NANCY, FRANCE.

Inventors : 1. RIO BELLOCCI, 2. MICHEL PIERREL, 3. YVES GOURMEL.

Application No. 299/Cal/83 filed March 10, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Tubular die for a continuous casting installation comprising a pouring basin (1) provided with a lower orifice (4), a jacket (15) for cooling the die mounted below the basin, along the extension of the inner wall of the casting orifice (4) and a heated core (8) which with the die (6) defines a narrow tubular casting space (10), which is coaxial with respect to the casting orifice, the die (6) comprising a thick cylindrical body (7) surrounded by the cooling jacket and a head (17) projecting into the casting orifice, characterised in that the head (17) of the die (6) is composite and comprises at least one narrow annular lip (22, 32, 42, 46) with an inner surface (26) forming a continuous extension of the inner surface (26) of the body (7) of the die, which is connected to the latter opposite the plane of contact (P) between the basin and the cooling jacket and at least one ring (24, 34, 45, 48, 49) of insulating material, surrounding the lip and in contact with the body, which opposes the passage of heat.

Compl. Specn. 22 pages. Drg. 3 sheets.

CLASS : 143-D1. 158611

Int. Cl. B 65 d 77/00.

APPARATUS FOR ATTACHING BLANKS OF A HEAT-SEALABLE STREET MATERIAL TO MULTIPACKS.

Applicant : METAL BOX p.l.c., OF QUEENS HOUSE, FORBURY ROAD, READING, BERKSHIRE, RG1 3JH., ENGLAND.

Inventors : 1. CHRISTOPHER JOHN GRIFFIN, 2. BERNARD HEWLETT OXBORROW.

Application No. 304/Cal/83 filed March 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Apparatus for attaching blanks of a heat-sealable sheet material to multipacks each comprising a plurality of containers in an array and a sheet plastics coupler having apertures through which end closures of the containers projects and which are dimensioned so that the containers are tightly held by tension in the coupler material, each blank having a plane portion by which it overlies and substantially covers the end closures of a said multipack and a plurality of tabs integrally joined to the plane portion along two opposed sides thereof and foldable downwardly in relation to the plane portion to heat-sealed connection with the coupler along opposed sides of the multipack, the apparatus comprising conveyor means for transporting a succession of said multipacks along a generally horizontal path, a reservoir for a plurality of said blanks, applicator means operating in timed relation to said conveyor means to place blanks individually upon said multipacks moving along said conveyor means with the tabs of said blanks disposed laterally in relation to the conveyor path and, along each side of the conveyor path, heating means for directing hot gas onto said tabs and onto the lateral surfaces of said coupler whereby to render them heat-sealable together, folding means for folding the tabs downwardly adjacent said laternal surfaces of the coupler, and pressure means for holding the tabs against the coupler to heat seal the same together.

Compl. Specn. 23 pages. Drg. 8 sheets.

CLASS : 85-K. 158612

Int. Cl. : B 23 b 1/00.

A COMBUSTION SYSTEM FOR BURNING A HIGH MOISTURE PULVERIZED FUEL HAVING A MILL.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSORS, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS LOUIS PAJONAS, 2. GERALD FRANCIS BARCIKOWSKI, 4. ANDREW JOHN ENNACO.

Application No. 315/Cal/83 filed March 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A combustion system for burning a high moisture pulverized fuel having a mill wherein the fuel to be burned is pulverized and dried, a furnace wherein the dried pulverized fuel is burned thereby generation hot flue gas, burner means associated with said furnace for receiving the pulverized fuel entrained in primary air from the mill, an air heater for passing said primary air in heat exchange relationship with said hot flue gas thereby preheating said primary air, first duct means for supplying ambient primary air to said air heater, second duct means for conveying said preheated primary air from said air heater to the mill, and third duct means inter-connecting said first duct with said second duct for conveying ambient tempering air around said air heater and remixing the tempering air with said preheated primary air wherein :

(a) heat exchange means are disposed in said third duct means for passing a heating fluid in heat exchange relationship with the tempering air passing therethrough; and

(b) control means for controlling the flow of heating fluid through said heat exchange means in response to the temperature of the pulverized fuel and air mixture leaving the mill.

Compl. Specn. 14 pages. Drg 2 sheets.

CLASS : 94-H. 158613

Int. Cl. B 02 c 4/00.

A VERTICAL ROLLER MILL.

Applicant : F. L. SMIDTH & CO. A/S., OF 77 VIGERSLEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor : 1. LUIS PETERSEN.

Application No. 335/Cal/83 filed March 19, 1983.

Convention dated 13th April, 1982 (10767/82) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A vertical roller mill comprising a mill housing surrounding a grinding table rotatable about a vertical axis, at least one grinding roller rotatable about a stationary axis and urged against a material layer on the grinding table, and a nozzle ring encircling the table for discharging air to convey away, and possibly also dry, ground material, characterized in that a separate nozzle (21) is positioned downstream, as considered in the direction of rotation of the table (1), of the roller (3), the nozzle (21) being oriented so as to direct a jet, in use, against the crushed material layer (4).

Compl. Specn. 8 pages. Drg. 2 sheets.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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150880 150892 150930 151015 151056 151057 151064 151071 151091 151118 151163 151191 151220 151222 151228 151239 151241 151245 151252 151272 151284 151308 151349 151351 151353 151354 151358 151362 151379 151381 151385 151448 151485 151486 151488 151490 151504 151505 151508 151510 151580 151583 151985 152106

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PATENTS SEALED

148996 156582 156583 156584 156585 156596 156619 156620 156621 156622 156630 156705 156710 156723 156725 156729 156730 156743 156766 156767 156768 156778 156784 156785 156792 156793 156796 156801 156812 156814 156815 156821 156823 156828 156834 156836 156838 156840 156916 156946

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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 152296 dated the 24th January, 1981 made by Best & Crompton Engineering Limited on the 8th May, 1985 and notified in the Gazette of India, Part III, Section 2 dated the 21st Sep. 1985 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 152297 dated the 24th January, 1981 made by Best & Crompton Engineering Limited on the 8th May, 1985 and notified in the Gazette of India, Part III, Section 2 dated the 21st Sep. 1985 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154068 granted to Swan Electric Industries for an invention relating to "relief valve for a pressure vessel".

The patent ceased on the 1st January, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 3rd May, 1986.

Any interested person may given notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 20th February 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. Nos. 157177, 157178. Shaheen Metals, a registered Indian Partnership Firm registered under the Indian Partnership Act, 1932, having its Office at 72, Chandraloke Building, 3rd Floor, Arey Road, Goregaon (West), Bombay-400 062, Maharasntra, India. "Spoon". 19th June, 1986.

Class. 1. No. 157182. Jain Dia Caster Pvt. Ltd., 138, Veer Nagar, Delhi-110007, India, an Indian Company. "Lock for Vehicles", 19th June, 1986.

Class. 1. No. 156942. Amar Brothers and Company, an Indian National, 714A, Mehrauli Road, Gurgaon, Haryana, "Lid of Pressure Cooker", 9th April, 1986.

Class. 1. No. 157179. NPF Type Foundry, 73, Maddox St. Choolai, Madras-7 T. Nadu, India, an Indian Partnership Firm. "Type Founts". 19th June, 1986.

Class. 1, No. 157186. G & W Tool Co., 48 West 48th Street, New York City, N.P. 10036, U.S.A., a Partnership Firm. "Diamond Polishing Platform". 20th June, 1986.

Class. 1. No. 157130. Ashish Auto Parts, 88/1, Teliwara, Shahdara, Delhi-32, India, an Indian Partnership concern. "Petrol Tank Caps". 10th June, 1986.

Class. 3. No. 157115. Dr. Virendra Singh, C-86, Shastri Nagar, Jaipur (Rajasthan) of Indian Nationality. "Lung Exerciser". 4th June, 1986.

Class. 3. No. 157117. Dr. Virendra Singh, C-86, Shastri Nagar, Jaipur (Rajasthan) of Indian Nationality. "Nasal Attachment". 4th June, 1986.

Class. 3. No. 157181. Pidilite Industries Private Limited, an Indian Company, of Regent Chambers, Nariman Point, Bombay-400021, Maharashtra, India. "a Jar". 19th June, 1986.

Class.3. No. 157041. Hynoup Food & Oil Industries Pvt. Ltd., an Indian Company having registered office at 2nd floor, Room No. 8, Vishal Chambers, Nr. Dinesh hall, Ahmedabad-380 009, Gujarat, India. "Bottle". 8th May, 1986.

Class. 3. No. 157073. Swedish Match Consumer Products S.A., a Swiss Joint-stock Company, of P.O., Box 22, CH-1260 NYON, Switzerland. "a Lighter". 19th May, 1986.

Class. 3. No. 157118. Kingsway Enterprises (PVT) LTD., an Indian Company of 12, Sham Nath Marg, Delhi-110054, India. "Film Strip Viewer". 5th June, 1986.

Class. 3. No. 157125. Kabushiki Kaisha Toshiba (Toshiba Corporation), a Corporation duly organised under the laws of Japan, of 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan. "Television Receiver". 6th June, 1986.

Class. 3. Nos. 157146, 157147. Sharp Kabushiki Kaisha, a Japanese Company, of 22-22, Nagaika-cho, Abeno-ku, Osaka, Japan. "an Air Conditioner". 13th June, 1986.

Class. 3. No. 157128. Rajpal Brothers 55-Marol Co-operative Industrial Estate Ltd., Andheri Kurla Road, Marol, Bombay-400 059 (Maharashtra State) India, An Indian Partnership Firm. "Brush". 10th June, 1986.

Class. 3. Nos. 156943, 156944, 156945, 156946. Apollo Tyres Limited, 5th Floor, 75-76-Nehru Place, New Delhi-110019. India. An Indian Company. "TYRE". 9th April, 1986.

Class. 3. No. 157155. Shree Krishnakeshav Laboratories Ltd., Amariwadi Road, Ahmedabad-380008, Gujarat India. "Bottle". 16th June, 1986.

Class. 3. No. 156907. Kalamazoo Plc, a British Company of Northfield, Birmingham B31 2BW, England. a "Cocument Holder". Reciprocity date is 12th October, 1985. (U.K.).

Class. 3. No. 157218. F. E. Net Works, 308, S. V. Road, Kevni, Andheri West, Bombay-400058, Maharashtra, India, an Indian Partership Firm. "Fridge Basket". 30th June, 1986.

Class. 4. No. 157219. Avinash Yeshavantrao Mundiwale, an Indian of c/o. A.G. Kohok, Dy. Superintendent of Police, S.P. Office, Solapur City Division, Solapur, Maharashtra, India. "Interlocking pavement Tiles". 30th June, 1986.

Class. 10. No. 157056. Industrial & Commercial Traders, having its registered office at Swastik Industries Compound, Chincholi Bunder Road, Off S. Road, Malad, Bombay-400064, Maharashtra, India, a registered Partnership firm. "Footwear". 13th May, 1986.

Extn. *of Copyright for the Second period of five years.*

No. 156198. ..... Class-1.

Nos. 156445, 156055, 156031. .....Class-3.

Nos. 156668, 156667. ..... Class-5.

Extn. *of Copyright for the Third Period of five years.*

No. 156198. ..... Class-1.

Nos. 156445, 156055, 156031. .....Class-3.

Nos. 156668, 156667. ..... Class-5.

R. A. ACHARYA,
Controller General of Patents, Designs
and Trade Marks
For Joint Controller of Patents & Designs

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